

Last login: Mon Mar 8 01:58:38 on ttys003

The default interactive shell is now zsh.
To update your account to use zsh, please run 'chsh -s /bin/zsh'.
For more details, please visit <https://support.apple.com/kb/HT208050>.
yanans-MacBook-Pro-2:~ xieyanan\$ mysql -u root -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 14
Server version: 8.0.23 MySQL Community Server - GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database lianxi04 character set utf8;
Query OK, 1 row affected, 1 warning (0.00 sec)

mysql> use lianxi04;
Database changed
mysql> create table lagou_teacher (
-> teacher_id INT PRIMARY KEY,
-> teacher_name VARCHAR(20),
-> teacher_desc VARCHAR(500),
-> trank CHAR(4), -- 'rank' is reserved
-> index lname_ind (teacher_name)
->);
Query OK, 0 rows affected (0.01 sec)

mysql> show create table lagou_teacher;

Table	Create Table
lagou_teacher	CREATE TABLE `lagou_teacher` (`teacher_id` int NOT NULL, `teacher_name` varchar(20) DEFAULT NULL, `teacher_desc` varchar(500) DEFAULT NULL, `trank` char(4) DEFAULT NULL, PRIMARY KEY (`teacher_id`), KEY `lname_ind` (`teacher_name`)) ENGINE=InnoDB DEFAULT CHARSET=utf8

1 row in set (0.00 sec)

mysql> create table lagou_subject (-- 学科/课程分类
-> subject_id INT PRIMARY KEY,
-> subject_name VARCHAR(20),
-> subject_desc VARCHAR(500),
-> create_time DATETIME,
-> update_time DATETIME
->);
Query OK, 0 rows affected (0.00 sec)

mysql> show create table lagou_subject;

Table	Create Table
lagou_subject	CREATE TABLE `lagou_subject` (`subject_id` int NOT NULL, `subject_name` varchar(20) DEFAULT NULL, `subject_desc` varchar(500) DEFAULT NULL, `create_time` datetime DEFAULT NULL, `update_time` datetime DEFAULT NULL, PRIMARY KEY (`subject_id`)) ENGINE=InnoDB DEFAULT CHARSET=utf8

1 row in set (0.01 sec)

mysql> create table lagou_course (
-> course_id INT PRIMARY KEY,
-> teacher_id INT,
-> subject_id INT,
-> course_title VARCHAR(20),
-> total_duration INT,
-> visits BIGINT,
-> status enum('0','1') default '0',
-> index title_ind (course_title),
-> FOREIGN KEY (teacher_id) REFERENCES lagou_teacher(teacher_id),
-> FOREIGN KEY (subject_id) REFERENCES lagou_subject(subject_id)
->);
Query OK, 0 rows affected (0.02 sec)

mysql> show create table lagou_course;

Table	Create Table
lagou_course	CREATE TABLE `lagou_course` (`course_id` int NOT NULL, `teacher_id` int DEFAULT NULL, `subject_id` int DEFAULT NULL, `course_title` varchar(20) DEFAULT NULL, `total_duration` int DEFAULT NULL, `visits` bigint DEFAULT NULL, `status` enum('0','1') DEFAULT '0', PRIMARY KEY (`course_id`), KEY `title_ind` (`course_title`), KEY `teacher_id` (`teacher_id`), KEY `subject_id` (`subject_id`), CONSTRAINT `lagou_course_ibfk_1` FOREIGN KEY (`teacher_id`) REFERENCES `lagou_teacher` (`teacher_id`), CONSTRAINT `lagou_course_ibfk_2` FOREIGN KEY (`subject_id`) REFERENCES `lagou_subject` (`subject_id`)) ENGINE=InnoDB DEFAULT CHARSET=utf8

1 row in set (0.00 sec)

mysql> -- 向讲师表插入两条数据
mysql> INSERT INTO lagou_teacher
-> VALUES (1, '刘德华', '毕业于清华大学, 主攻前端技术, 授课风格生动活泼, 深受学员喜爱',
-> '高级讲师');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO lagou_teacher
-> VALUES (2, '郭富城', '毕业于北京大学, 多年的IT经验, 研发多项Java课题, 授课经验丰富',
-> '首席讲师');
Query OK, 1 row affected (0.01 sec)

mysql> -- 向课程分类表中插入两条数据
mysql> INSERT INTO lagou_subject VALUES (1, '后端开发', '后端课程包括 Java PHP Python', '2020-03-27 00:44:04', '2020-03-27 00:44:04');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO lagou_subject VALUES (2, '前端开发', '前端课程包括 JQuery VUE angularJS', '2020-02-27 10:00:04', '2020-02-27 18:44:04');
Query OK, 1 row affected (0.00 sec)

```
mysql>
mysql> -- 向课程表中插入两条数据
mysql> -- 插入Java课程
mysql> INSERT INTO lagou_course VALUES (1,1,1 , 'Java', 300,250000, '1');
Query OK, 1 row affected (0.00 sec)

mysql> -- 插入VUE课程
mysql> INSERT INTO lagou_course VALUES (2,2,2, 'VUE', 400,200000, '1');
Query OK, 1 row affected (0.00 sec)

mysql> -- 查询刘德华老师所教的课程属于哪个课程分类
mysql>
mysql> select t.teacher_name, s.subject_name, c.course_title
mysql> from lagou_course as c
--> left join lagou_subject as s
--> on c.subject_id = s.subject_id
--> left join lagou_teacher as t
--> on c.teacher_id = t.teacher_id
--> where t.teacher_name = '刘德华';
+-----+
| teacher_name | subject_name | course_title |
+-----+
| 刘德华      | 后端开发    | Java         |
+-----+
1 row in set (0.00 sec)

mysql>
mysql> select t.teacher_name, s.subject_name, c.course_title
--> from lagou_course as c
--> left join lagou_subject as s
--> on c.subject_id = s.subject_id
--> left join lagou_teacher as t
--> on c.teacher_id = t.teacher_id;
+-----+
| teacher_name | subject_name | course_title |
+-----+
| 刘德华      | 后端开发    | Java         |
| 郭富城      | 前端开发    | VUE          |
+-----+
2 rows in set (0.00 sec)

mysql>
```